

Figure 1

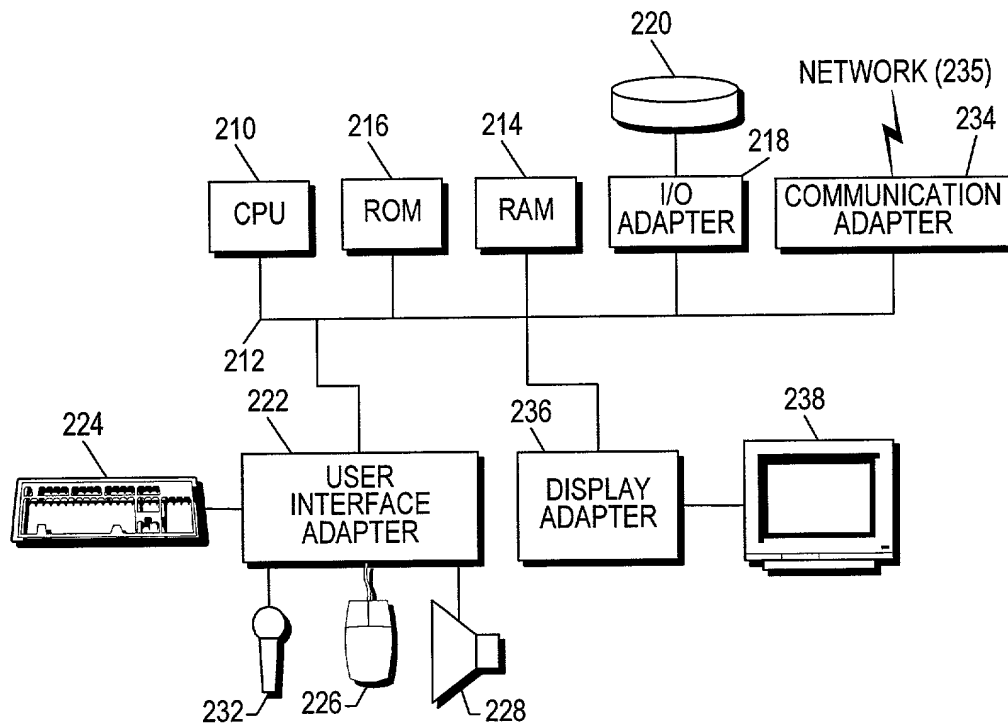
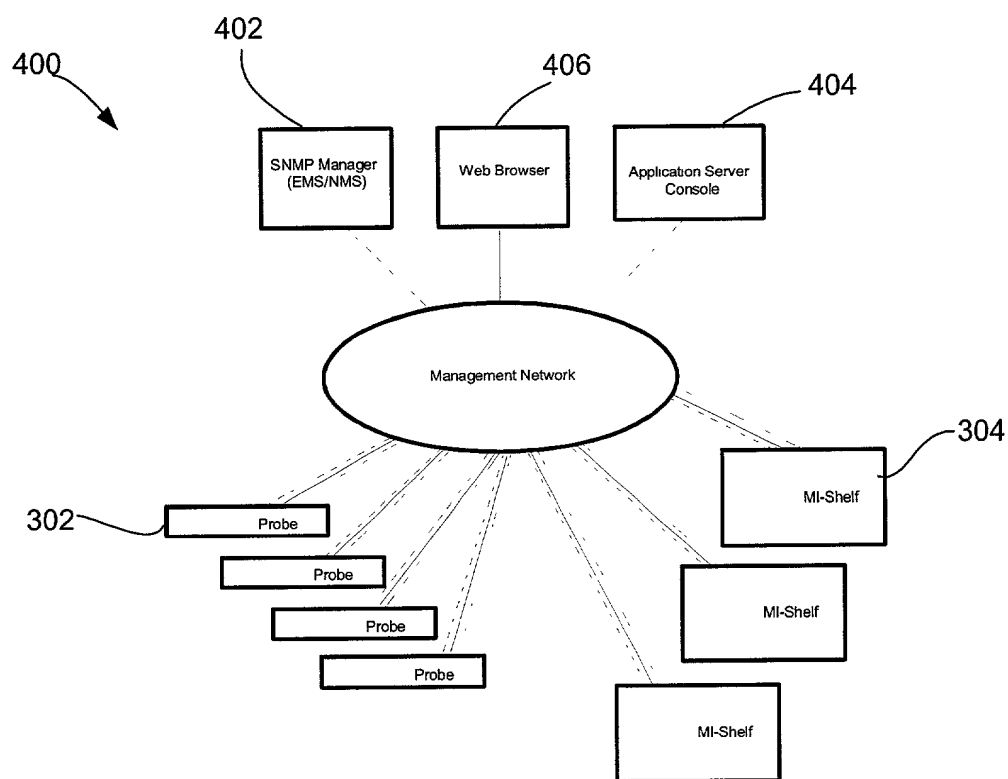


Figure 2



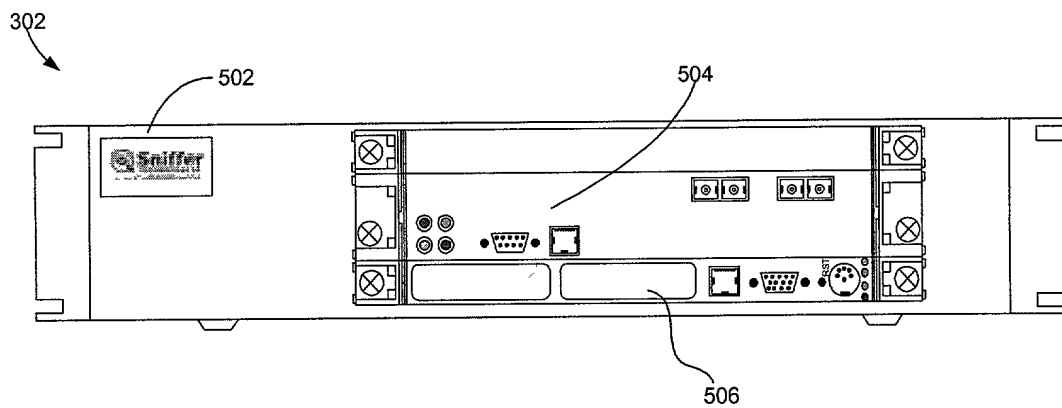


Figure 5

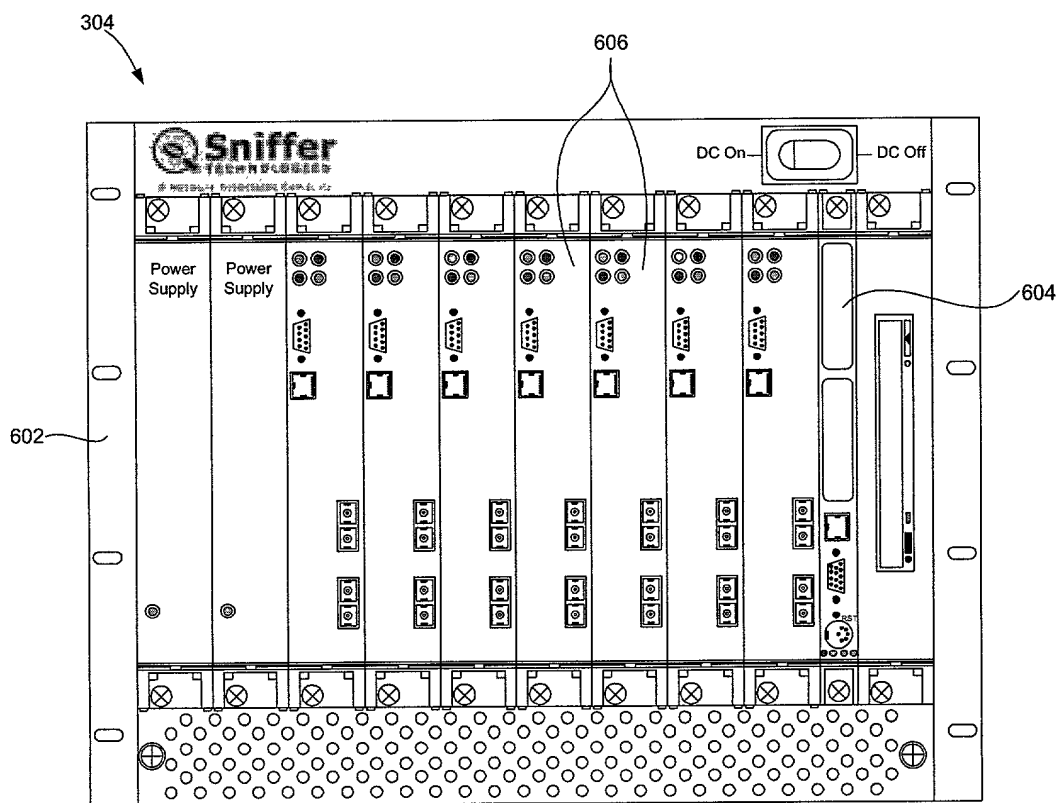


Figure 6

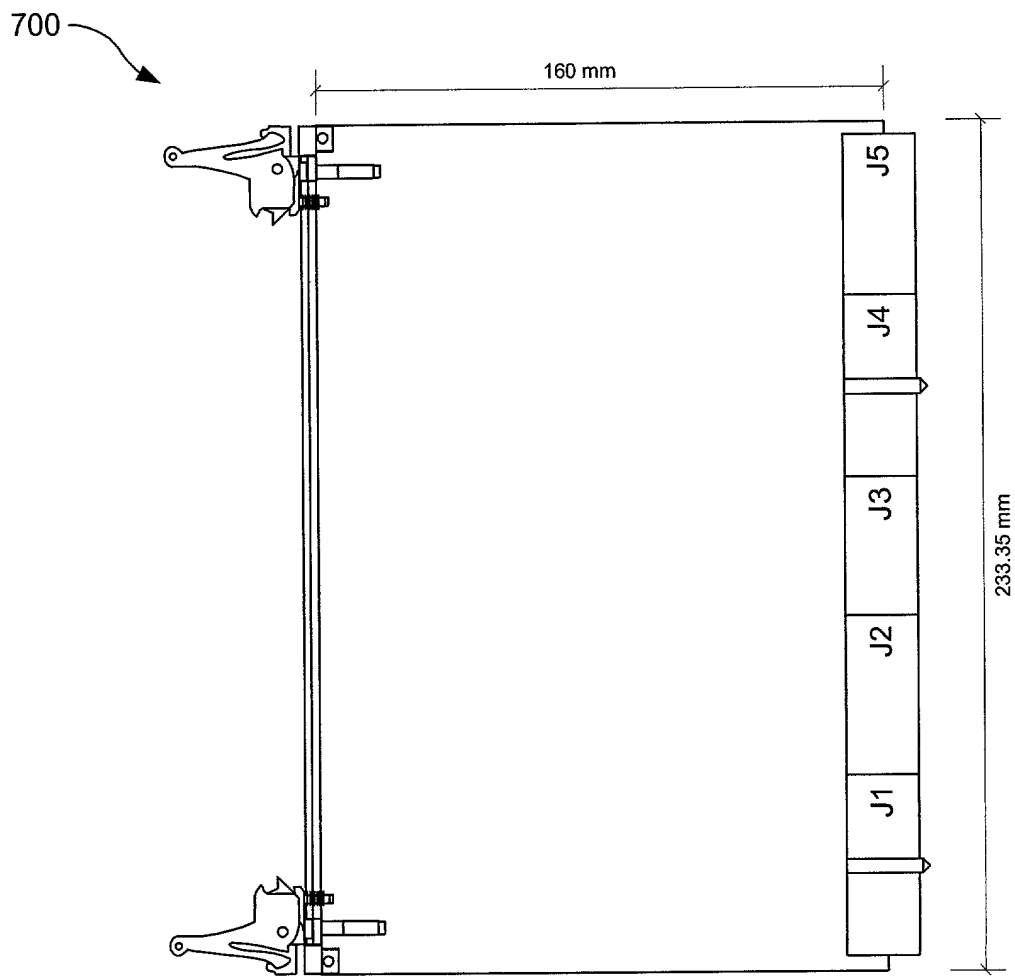


Figure 7

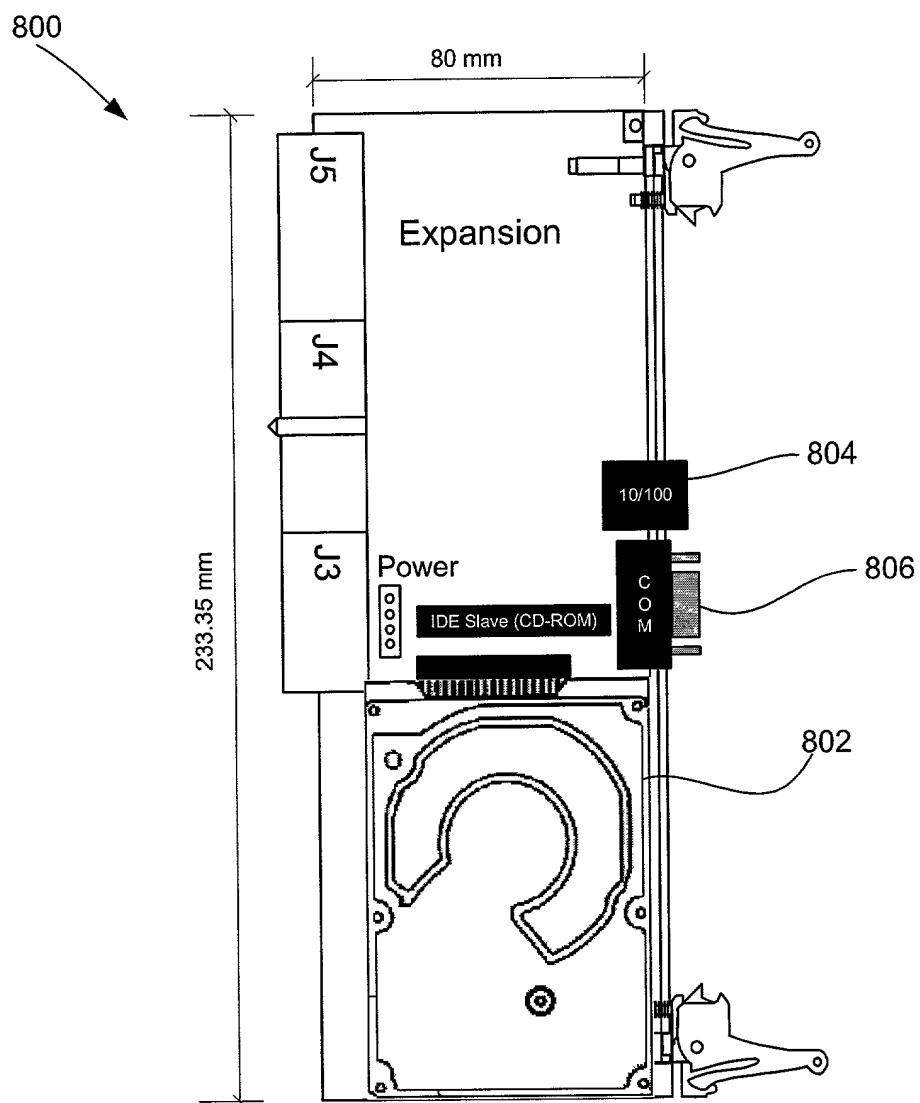


Figure 8

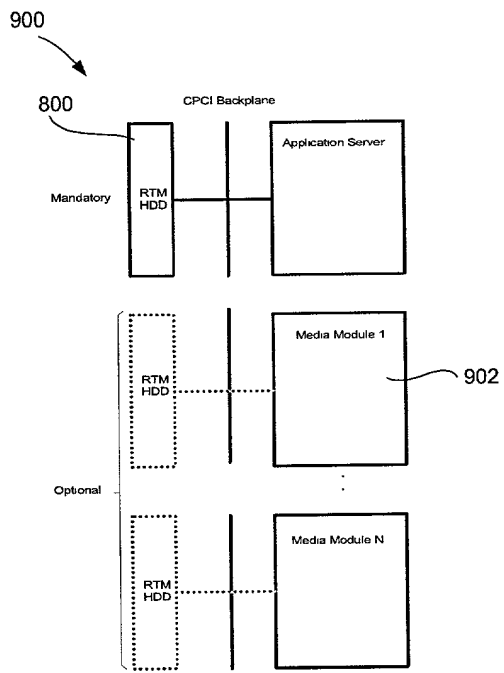


Figure 9A

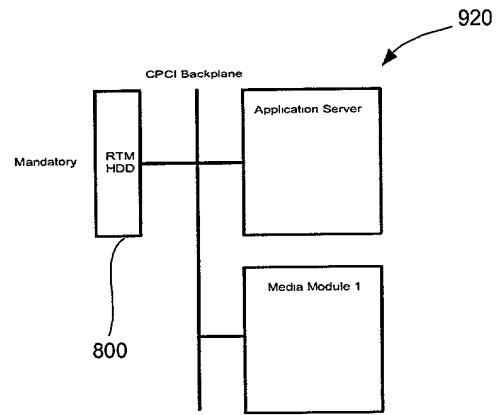


Figure 9B

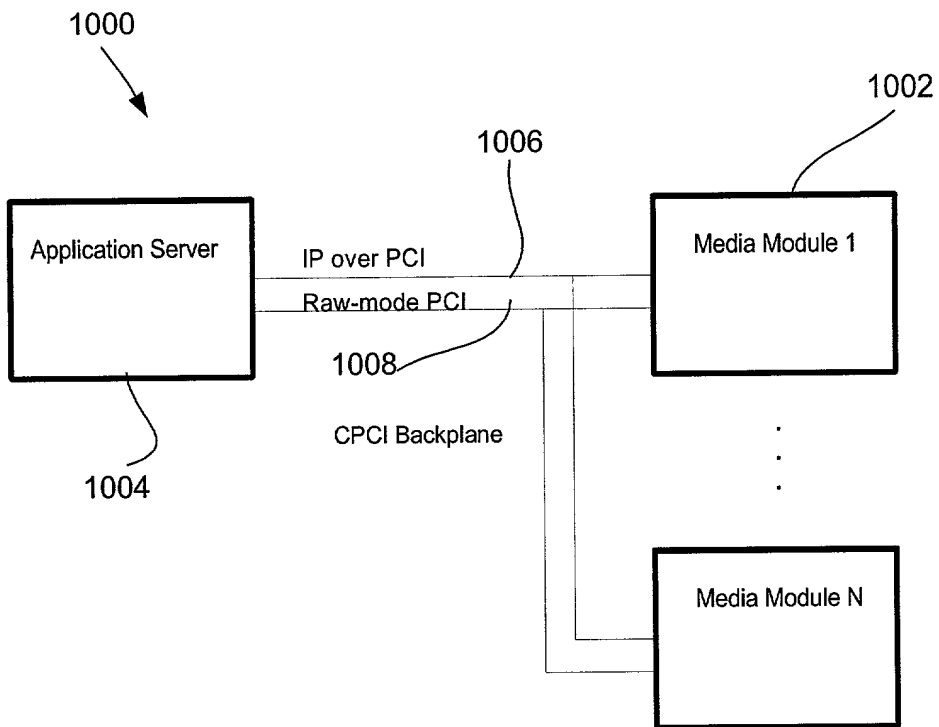


Figure 10

1100

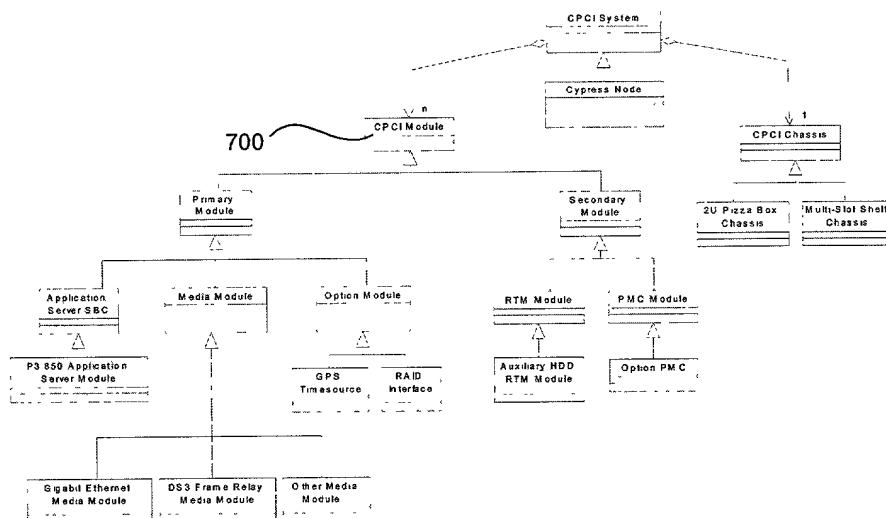


Figure 11

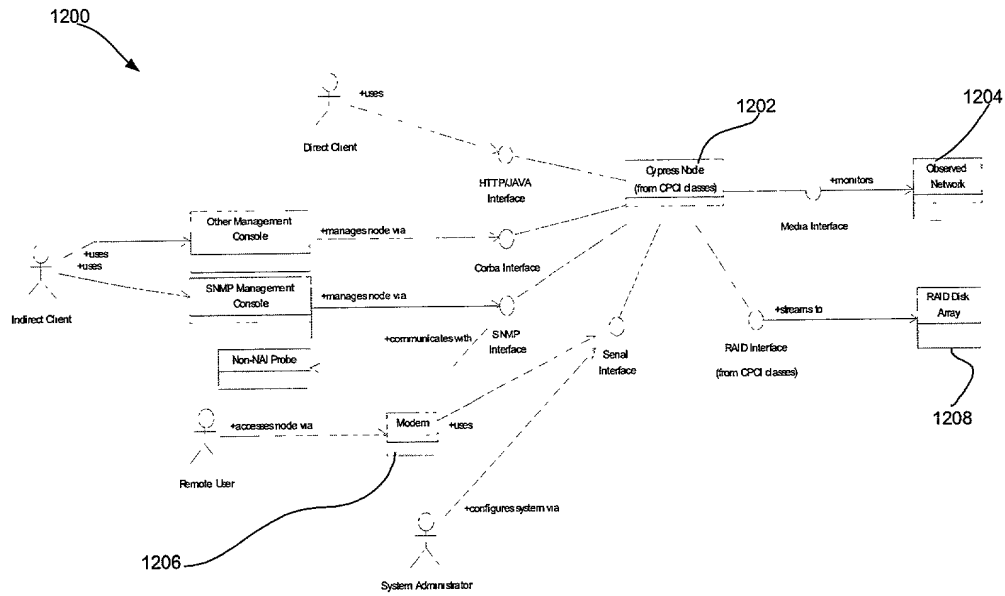


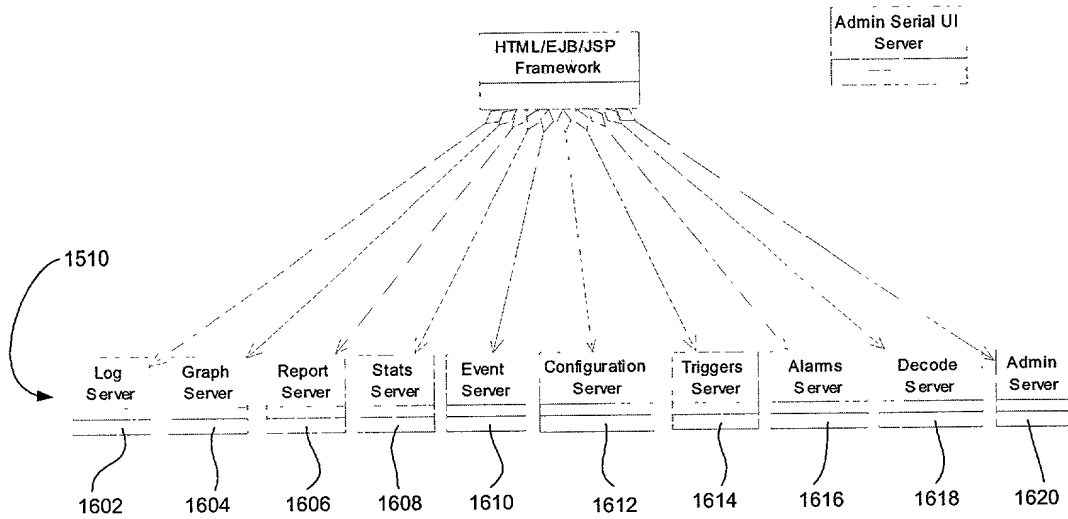
Figure 12

1300

User Class	Operations Allowed
Network Administrators	System turn-up & configuration, add users, etc.
Business Users (CIO)	View reports, trends, accounting info, etc.
Security Managers	Access users e-mail, web activity, policies, etc.
Network Planners	Access to capacity, trend, load & distribution info.
Network Managers	General access to all but security related.
Network Technicians	Access to diagnostics, alarms, trace files, etc.

Figure 13

Figure 15



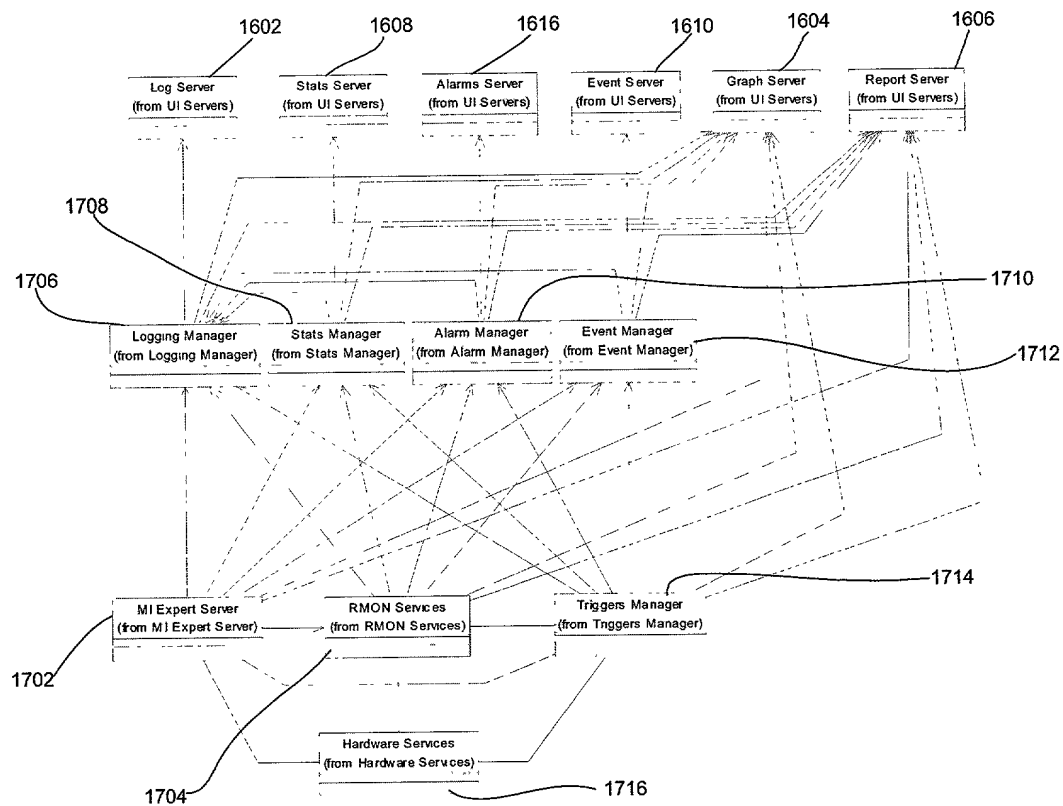


Figure 17

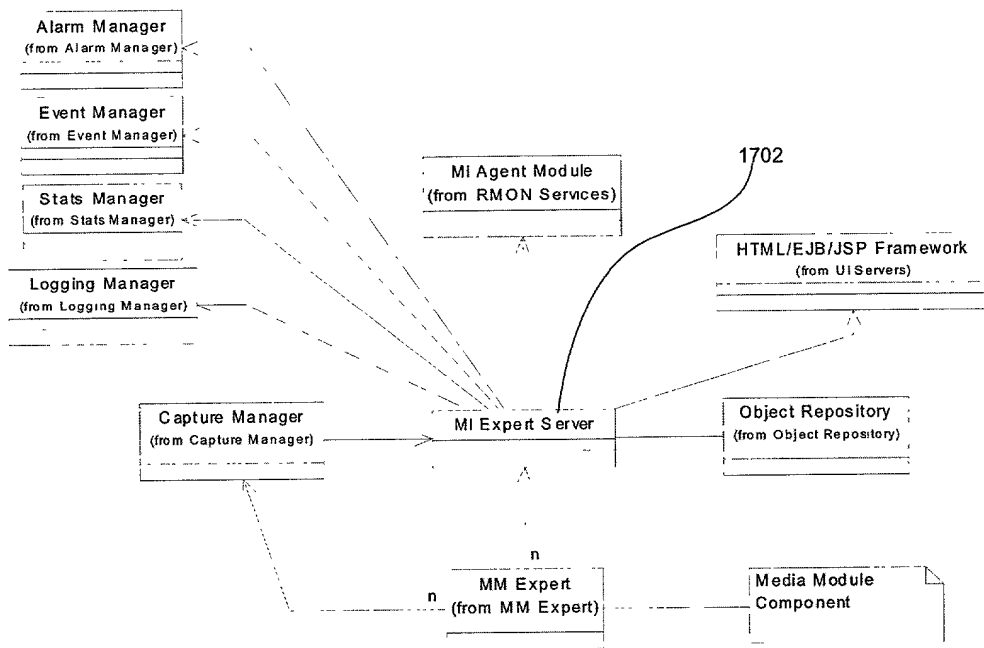


Figure 18

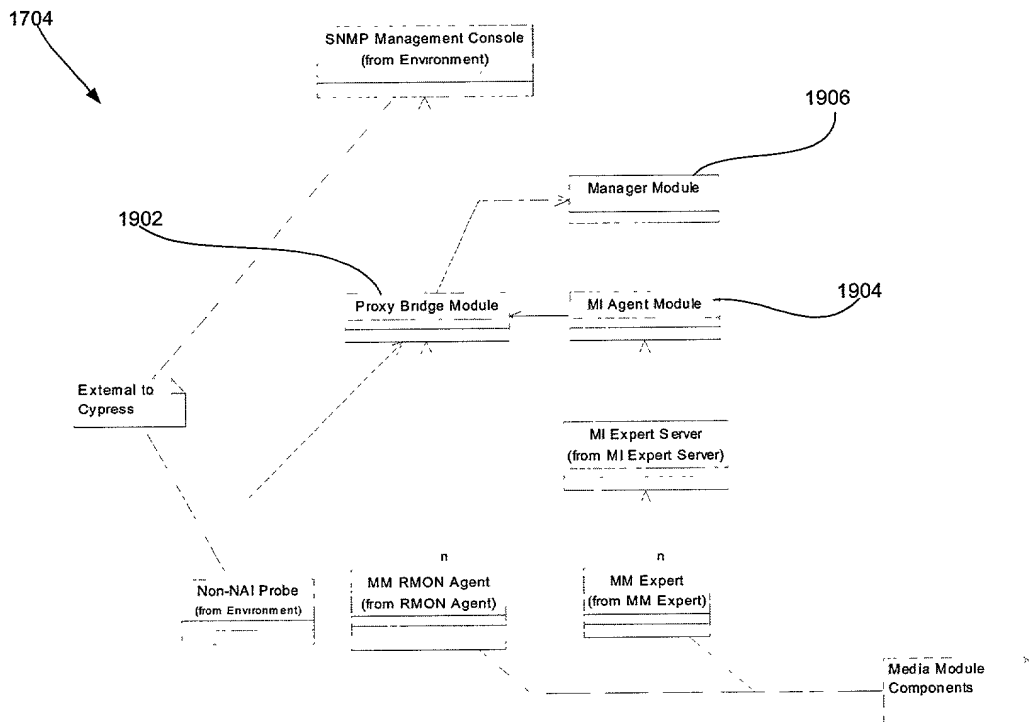


Figure 19

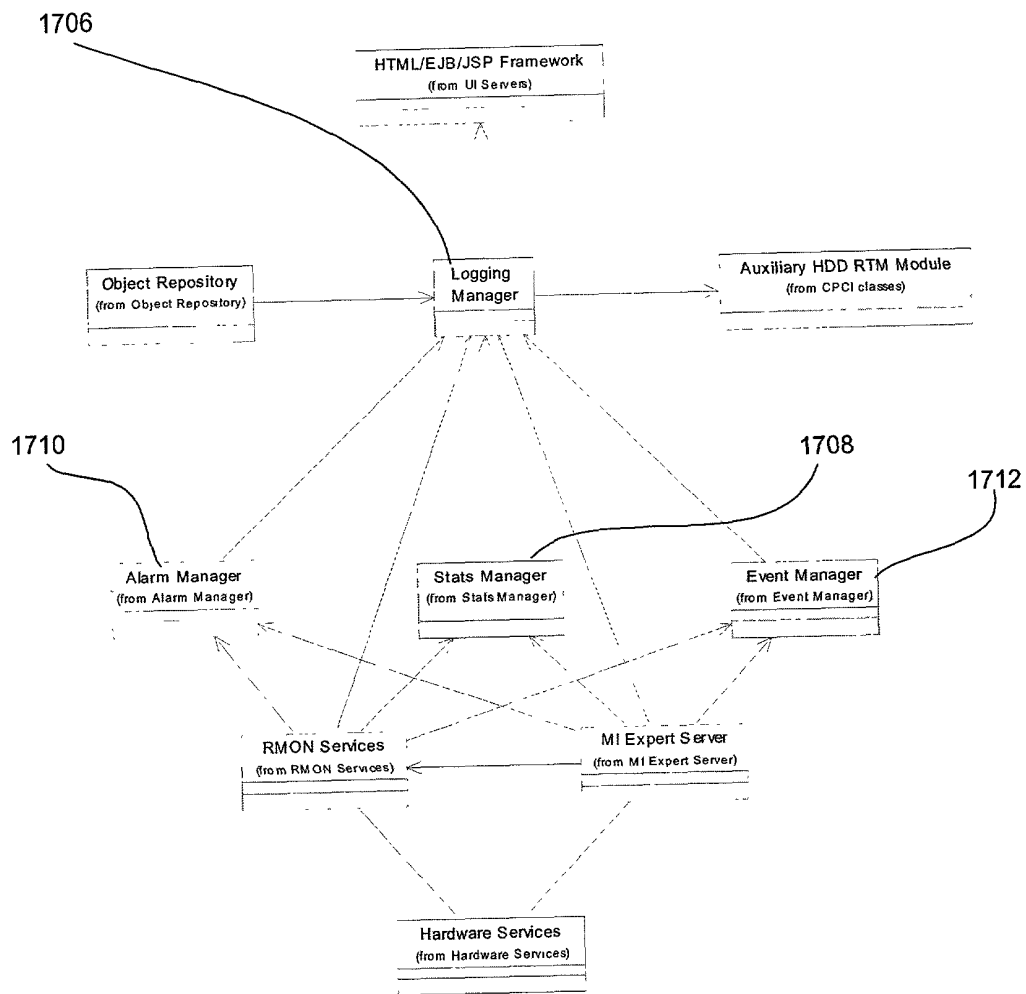


Figure 20

2100



UI Objects

2102



Expert Objects

RMON Objects

Session
Objects

Stats Objects

Alarm Objects

Event Objects

Security
Objects

Admin Objects

Compatability
Objects

Hardware
Objects

Registry
Objects

Trigger Objects

Figure 21

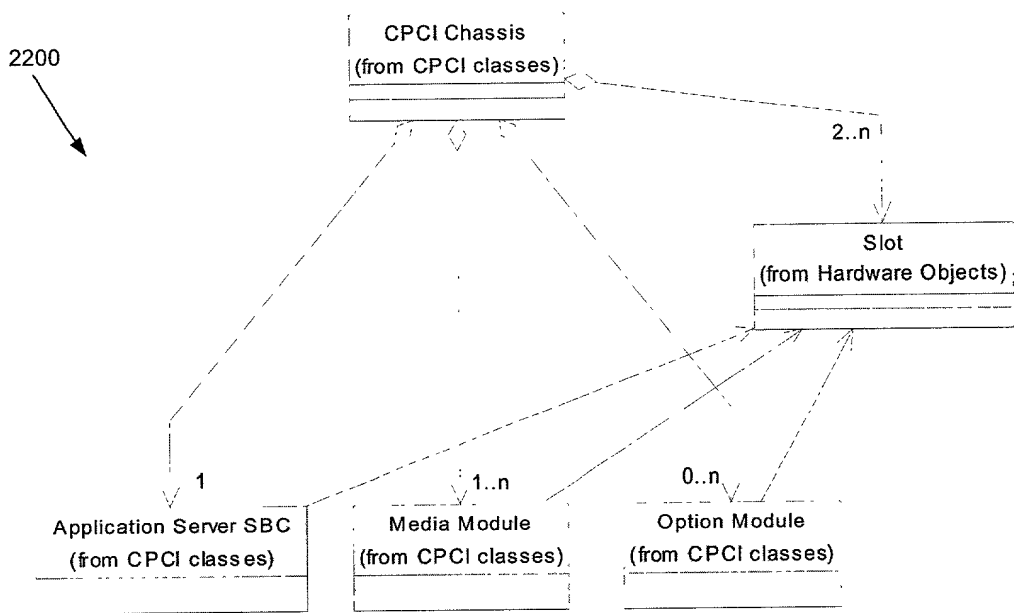


Figure 22A

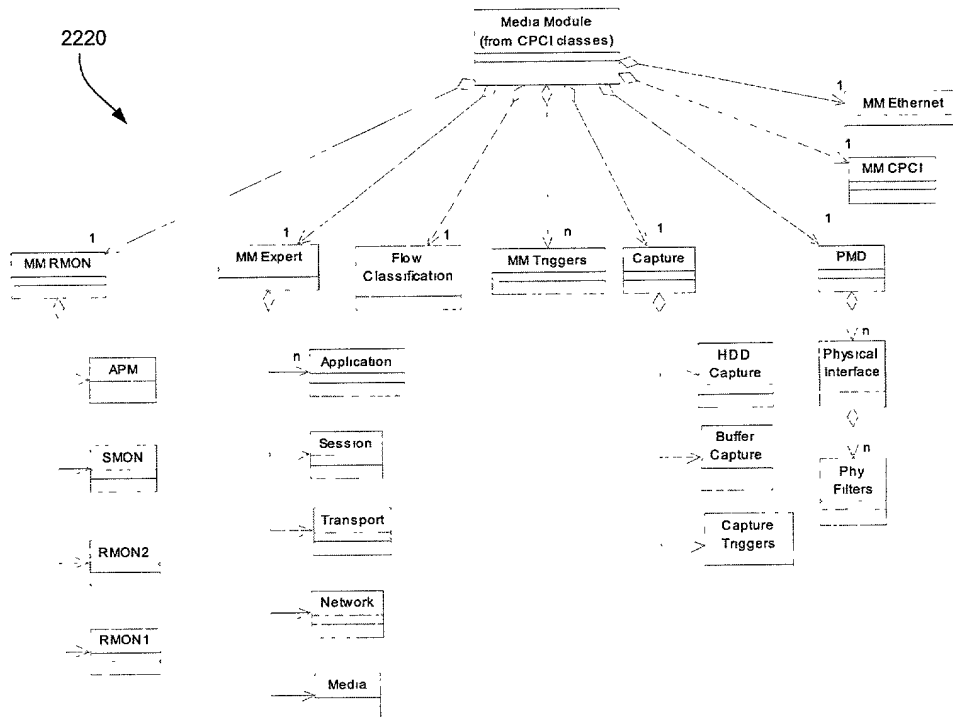
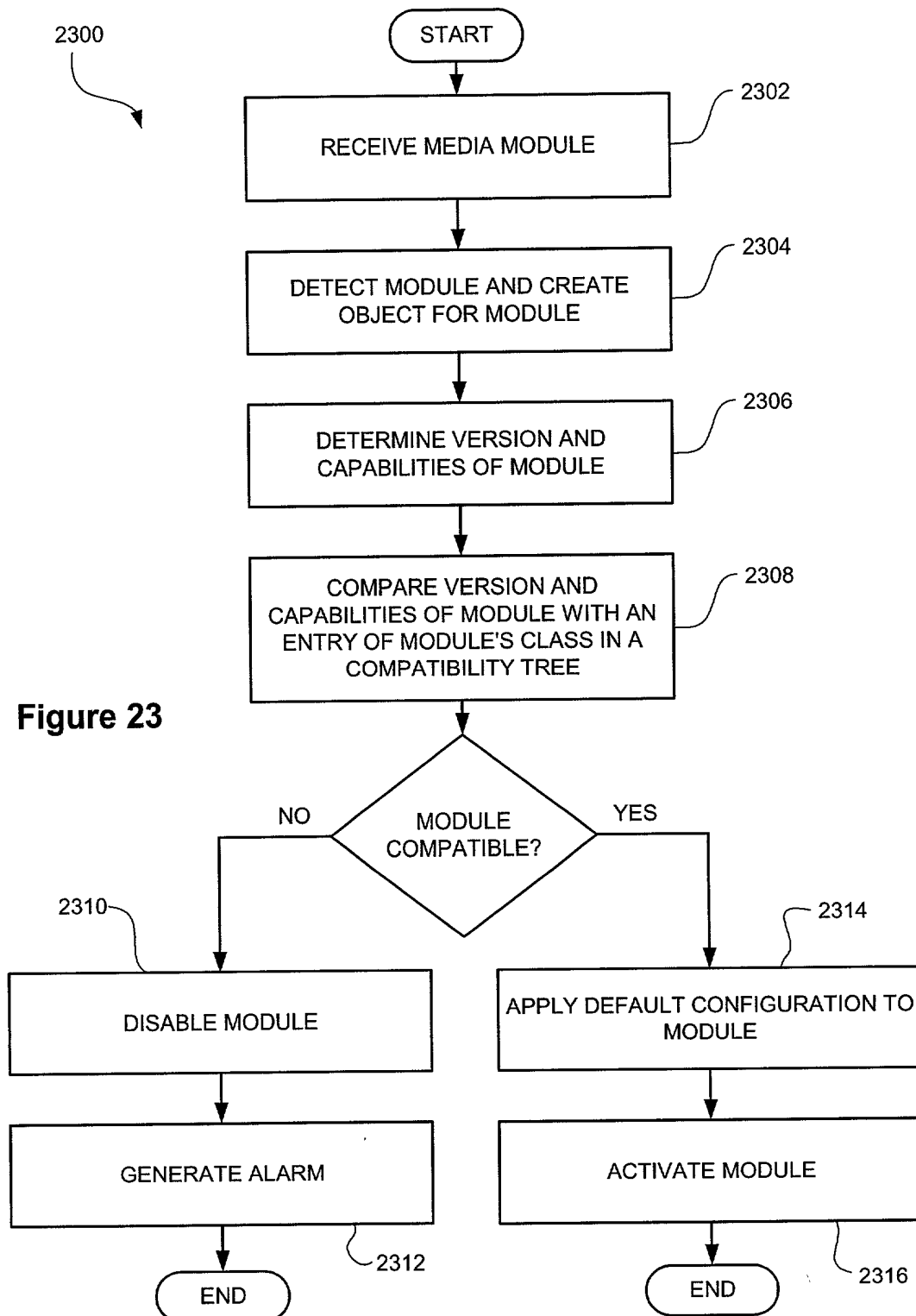


Figure 22B



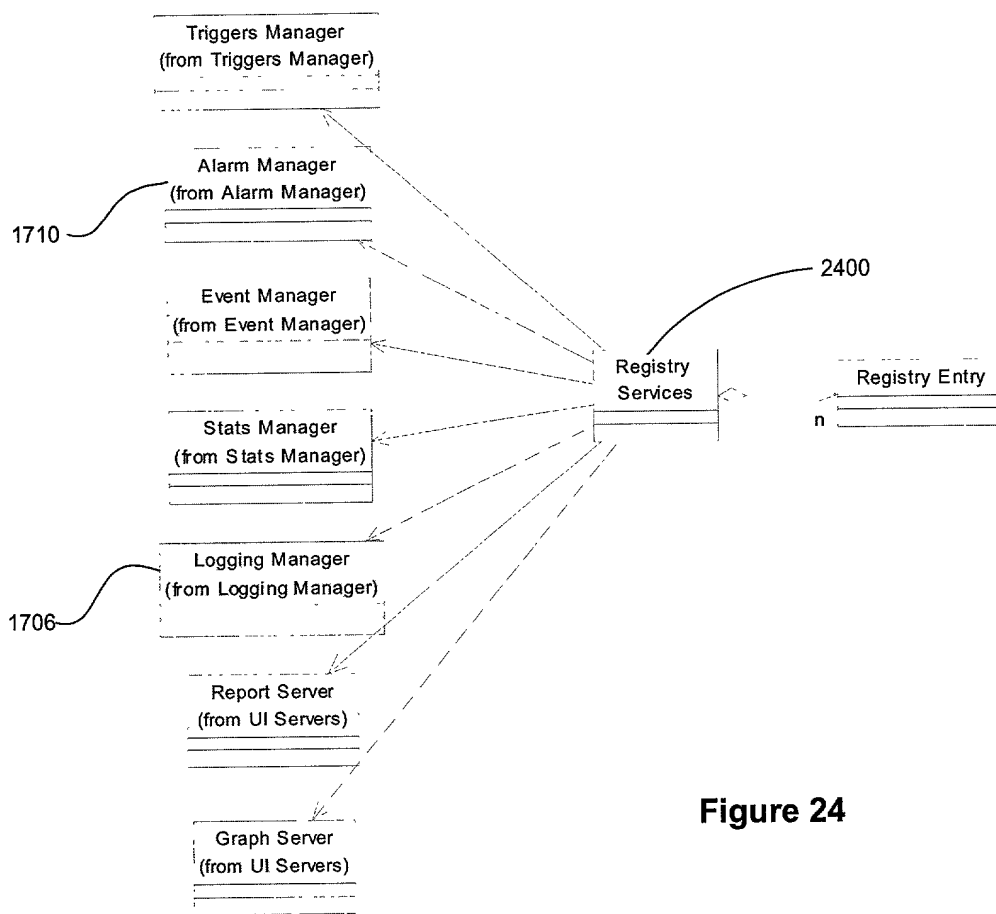


Figure 24

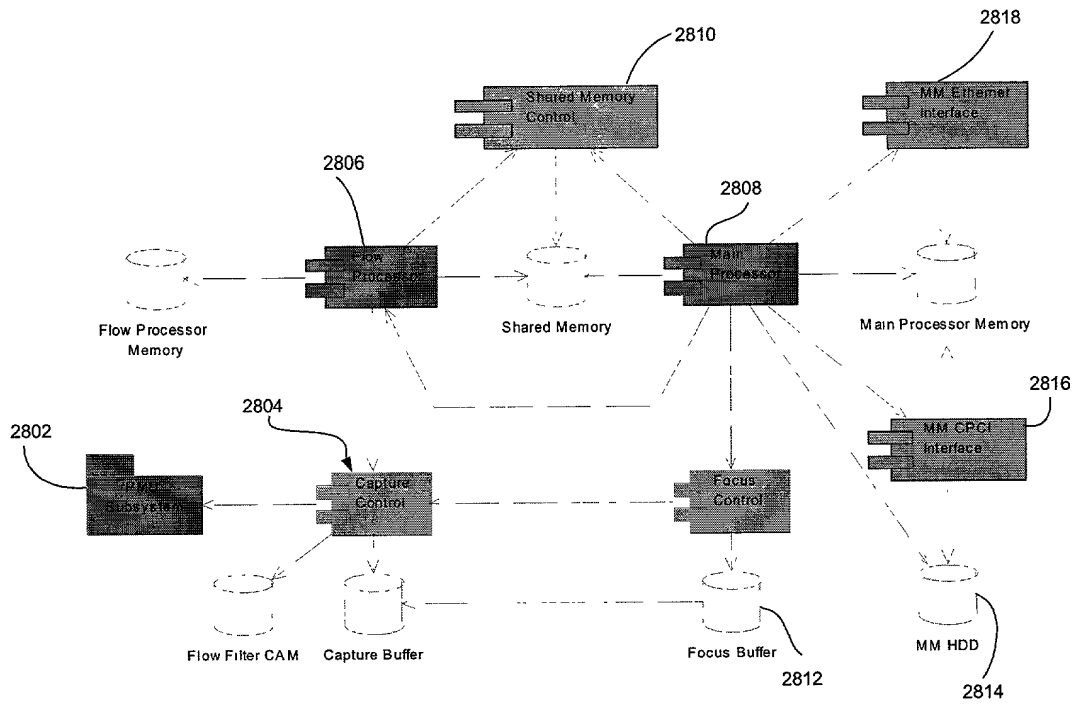


Figure 28

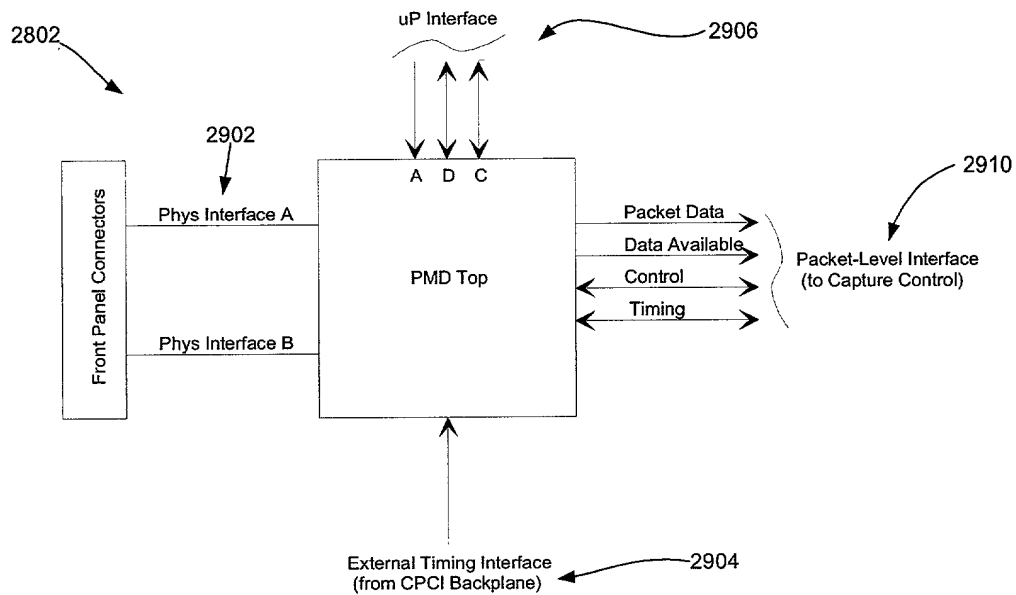


Figure 29

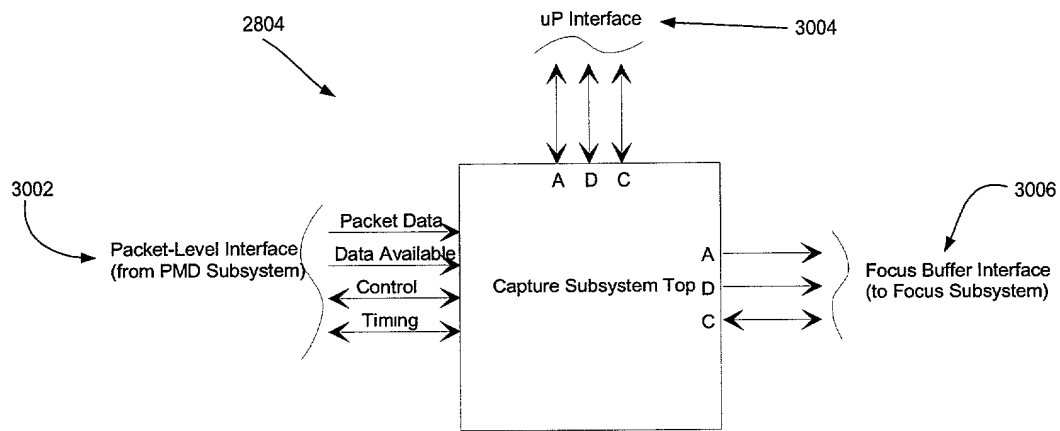


Figure 30

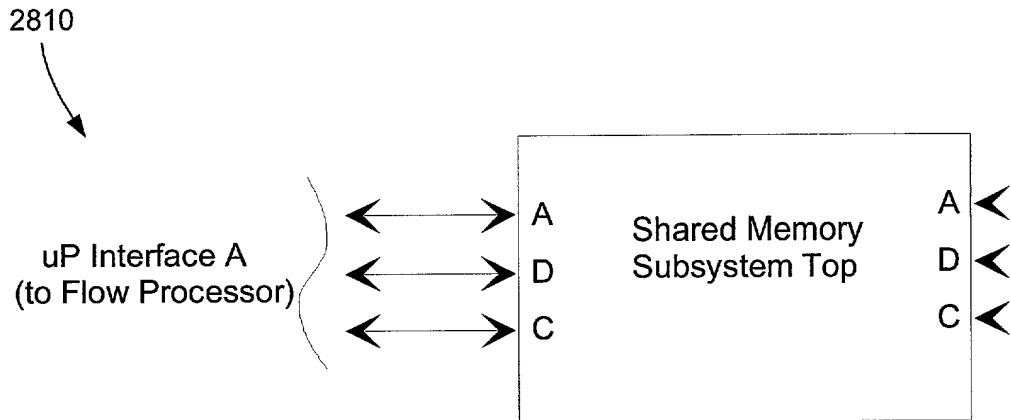


Figure 31

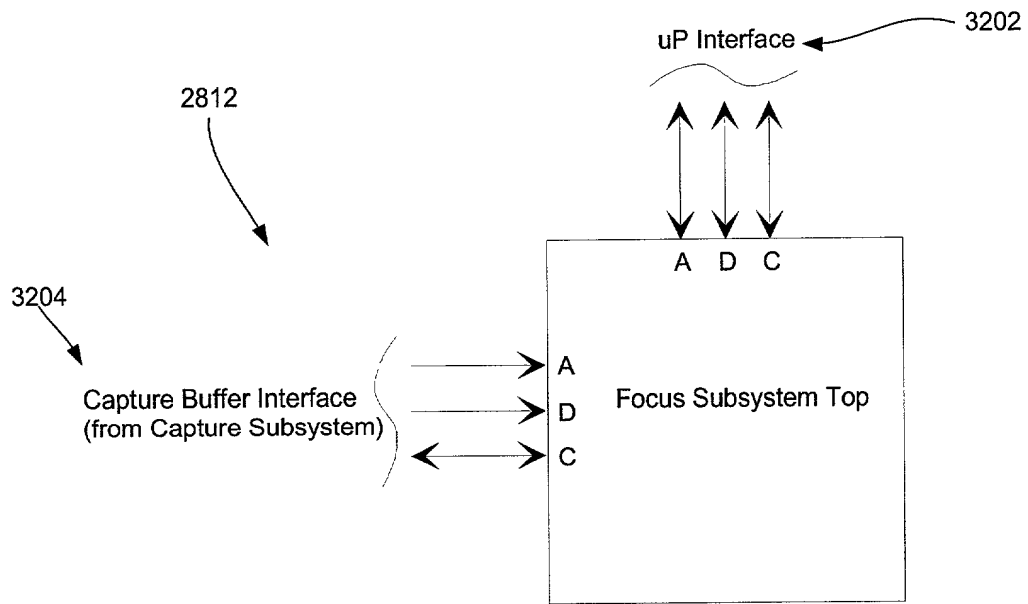


Figure 32

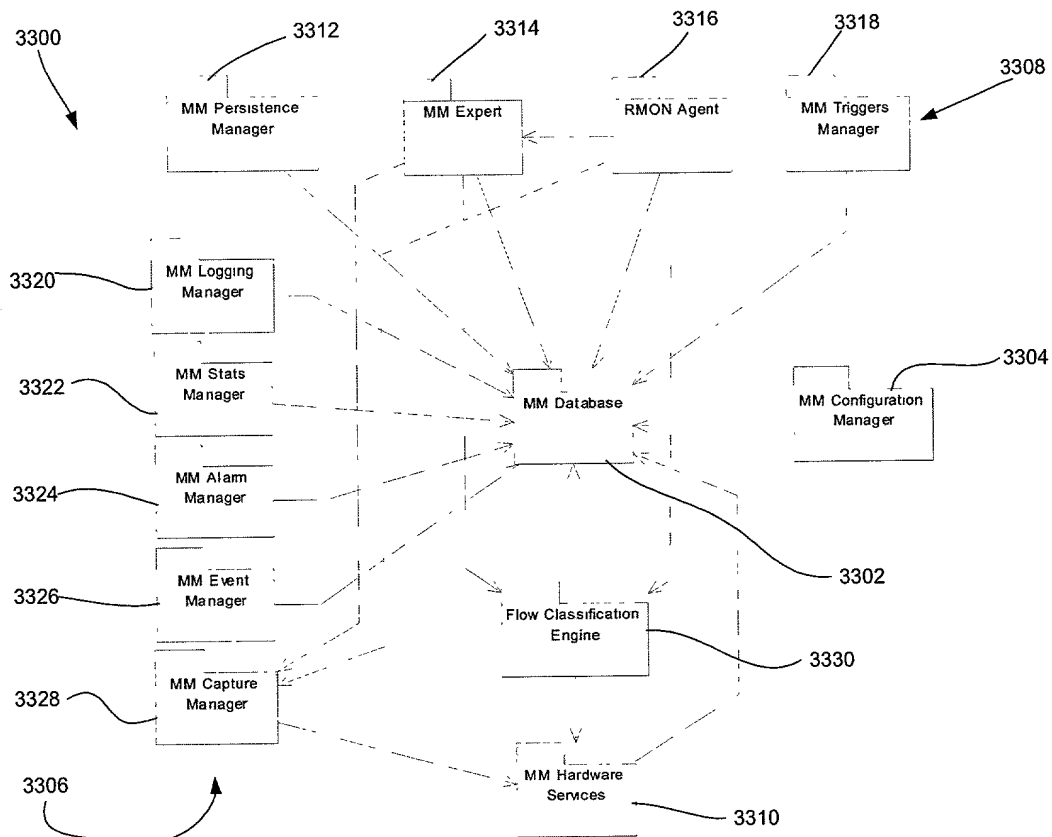


Figure 33

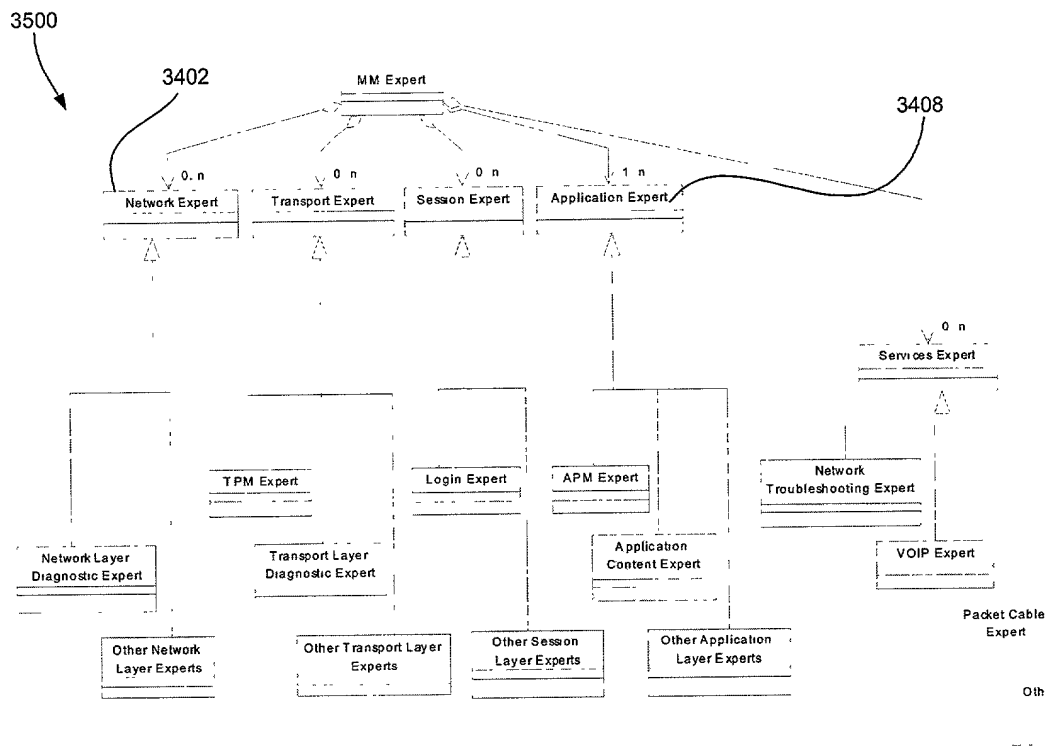


Figure 35

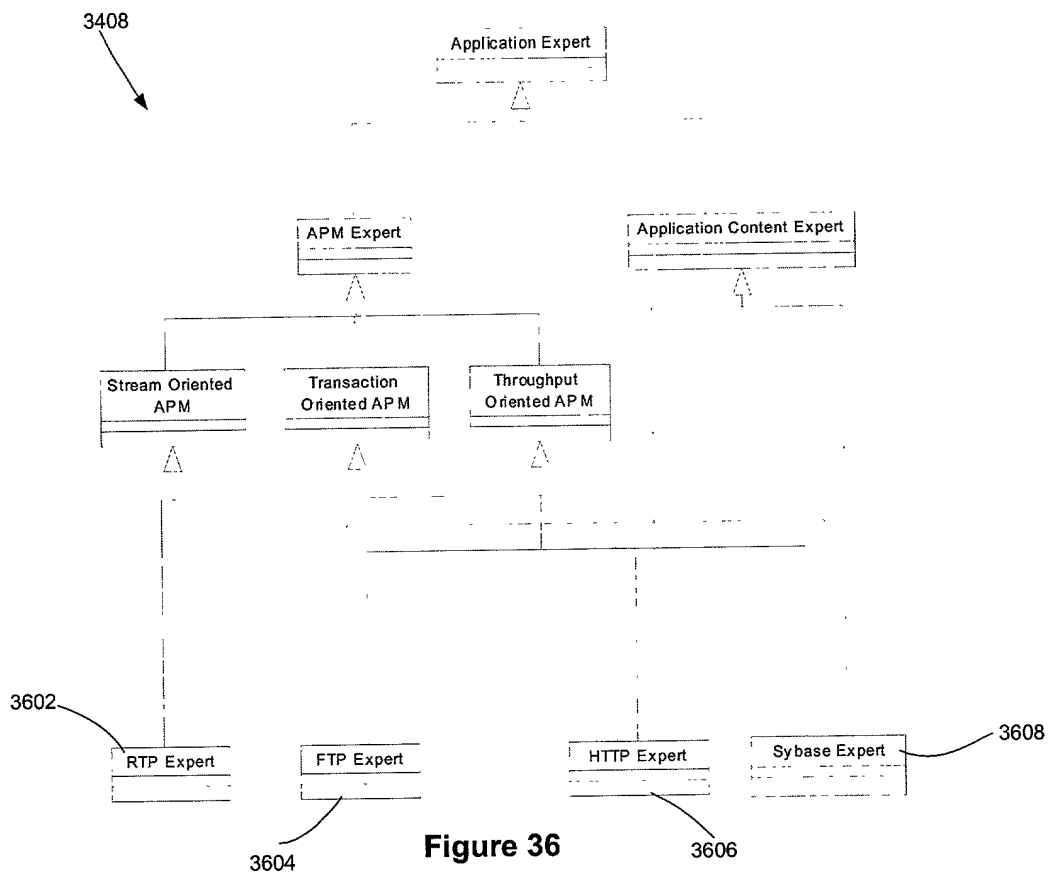


Figure 36

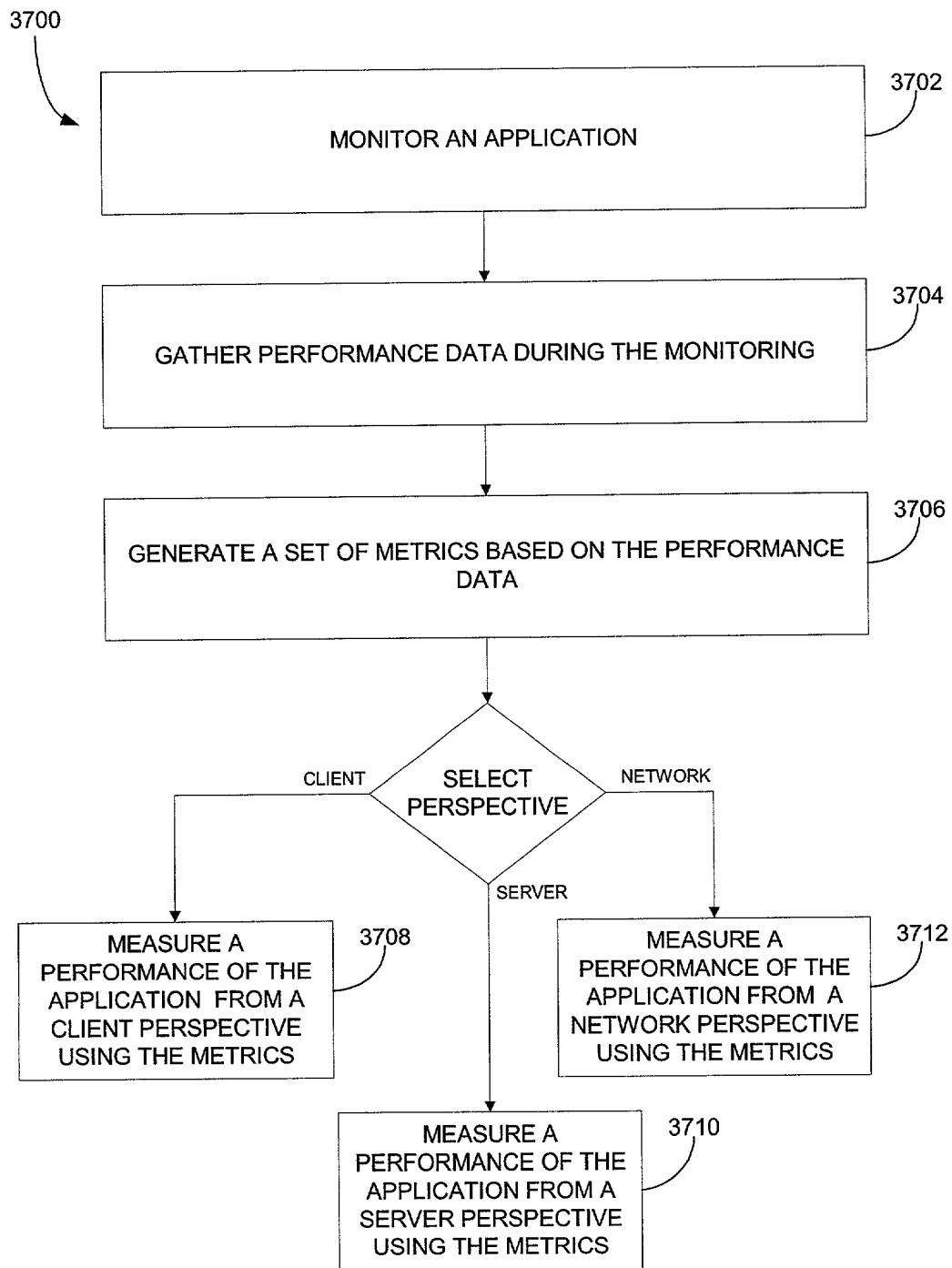


Figure 37

Figure 38

Figure 39

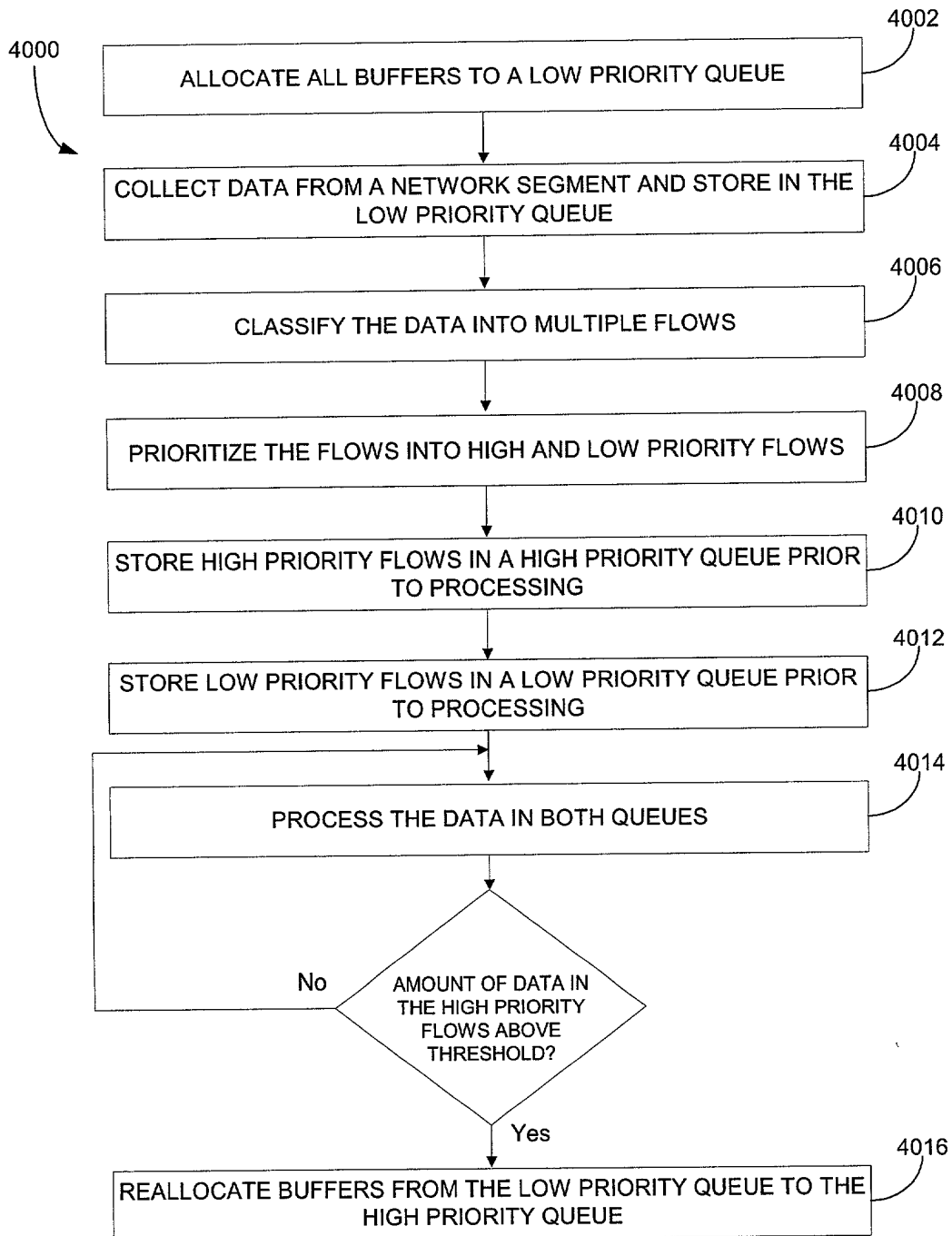


Figure 40

LEGEND

- 1) Packet transferred to capture control
- 2) Address compared in CAM
- 3) If entry match: priority queue, else: normal queue
- 4) Notify flow processor of entry
- 5) Flow proc retrieves pkt & classifies
- 6) Flow record updated in shared mem, expert include flag checked
- 7) If headroom, add addr to priority CAM
- 8) If expert include flag set in flow record, initiate DMA to focus buffer
- 9) Write parse descriptor to shared mem
- 10) Expert retrieves parse descriptor
- 11) Expert retrieves flow record
- 12) Expert retrieves packet from focus buf
- 13) Expert builds/updates object(s)
- 14) Expert sets include flag in flow record (if interesting)
- 15) Object is persisted, packet is prepended and persists
- 16) Event/object descriptor built for app svr (optional)
- 17) Descriptor retrieved by app svr (optional)
- 18) Objects or packets are retrieved by app svr (optional)

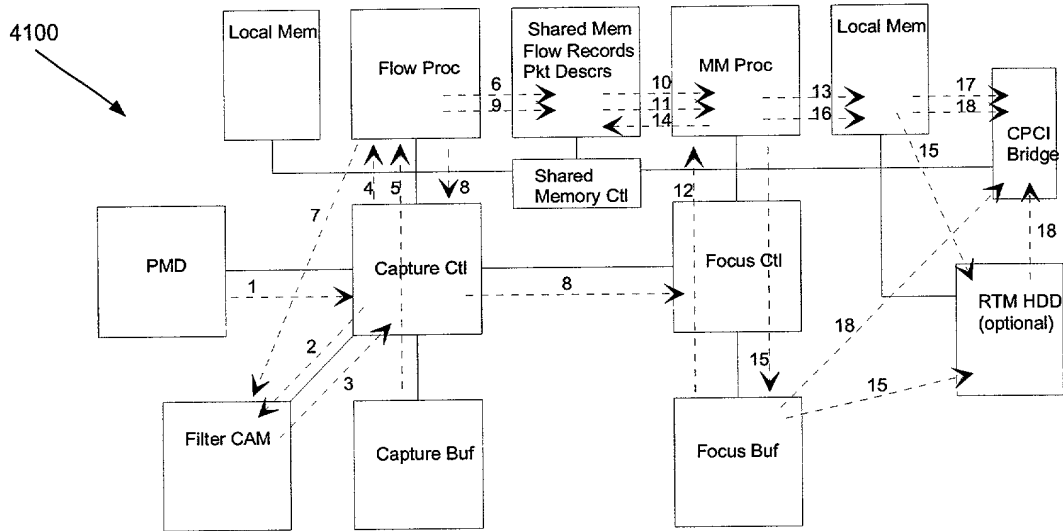


Figure 41

4200

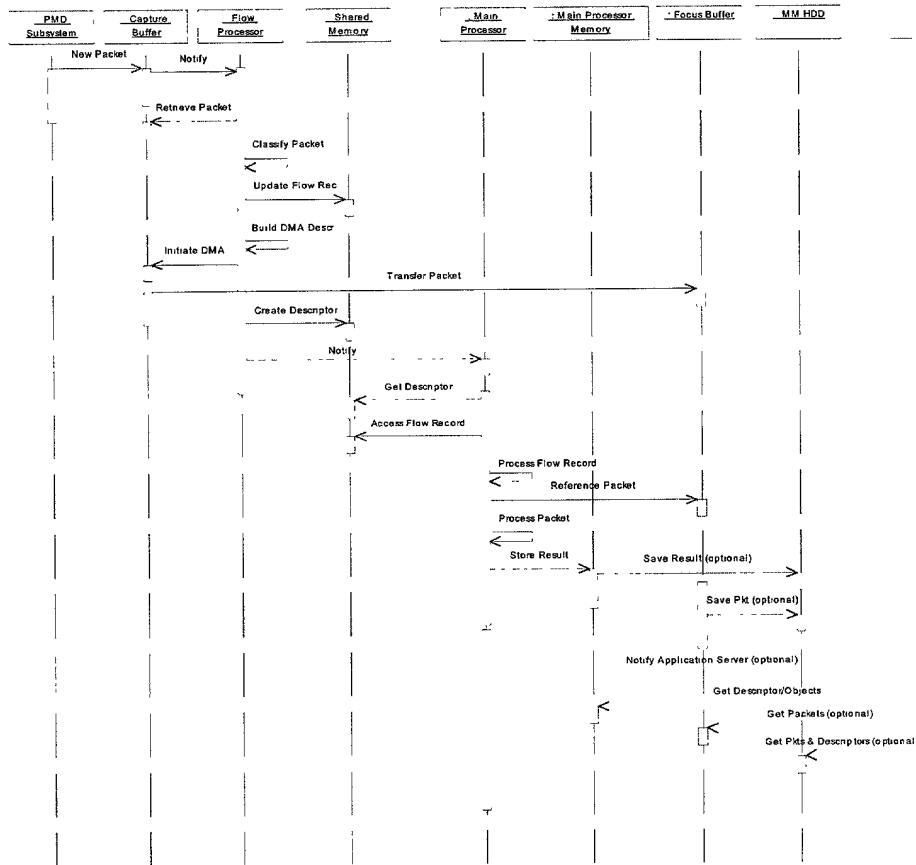


Figure 42